

FIGURE 1

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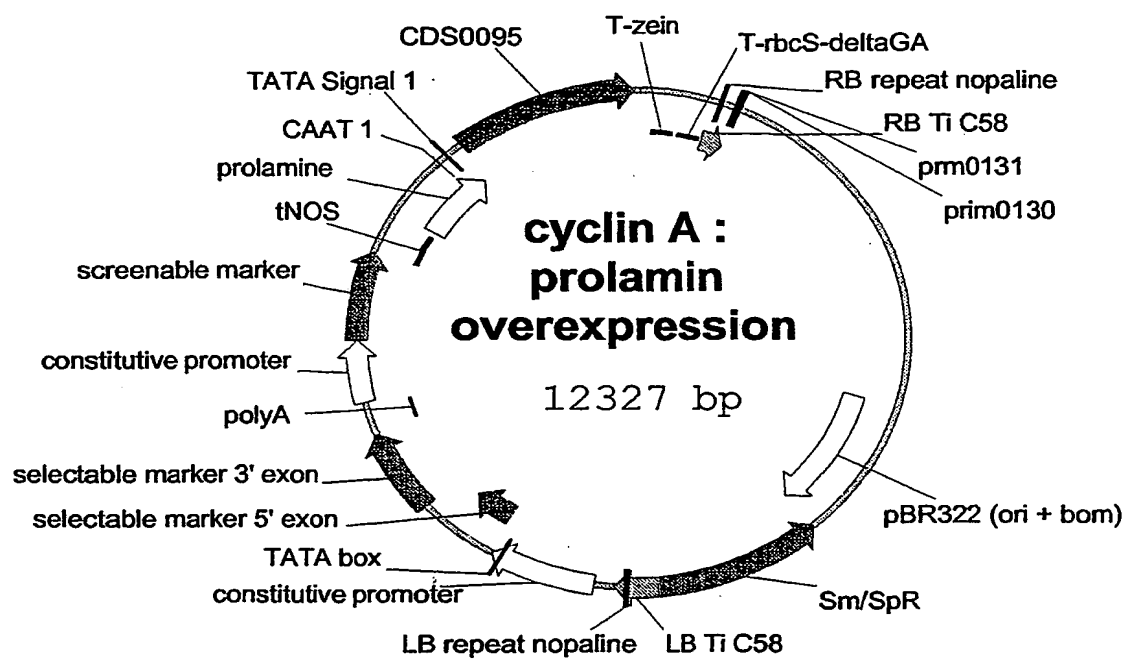


FIGURE 2

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Gene name	Plant accession	Motif 1	Motif 2
Cyclin A2;1	Arabidopsis At5g25380	WLVEVSEEYKLVSDT	ELTLTEYTFRLFLPS
Cyclin A2;2	Arabidopsis At5g11300	WLVEVSDDYKLV PDT	ELTLVEYSFLRFLPS
Cyclin A2;3	Arabidopsis At1g15570	WLVEVSEEYTLASDT	ELTLIDYHFLKFLPS
Cyclin A2;4	Arabidopsis At5g43080	WLVEVSEEYTLVPDT	ELTLM DYPFLKFLPS
Cyclin A2type	Rice AK106653	WLVEVSEEYKLV PDT	ELTLIDYSFLKFLPS
Cyclin A2type	Medicago AAK81695	WLVEVSEGYKLQANT	ELTLMNYGFLNFLPS
Cyclin A2 type	Nicotiana BAA09367	WLVEVSEEYRLVPDT	ELTLVDYGFLKFLPS
Cyclin A1;1	Arabidopsis At1g44110	WLIEVSEEYRLVPET	ELSLLEYTMLSHSPS
Cyclin A1;2	Arabidopsis At1g77390	WLVEVAEEYRLSPET	ELSLLDYAMLRYAPS
Cyclin A3;1	Arabidopsis at5g43080	WLVEVAEEYKLLSDT	ELSM LDYQSVKFLPS
Cyclin A1.1 type	Rice BAA86628	WLVEVAEEYRLVPDT	ELSLLEYNLLSYPPS
Cyclin B1;1	Arabidopsis At4g37490	WLIDVHVR FELNPET	ELGVMHYDTMIMFSPS

FIGURE 3

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## SEQUENCE LISTING

**SEQ ID NO 01:** DNA sequence of Cyclin A2;2 (A variant of the coding sequence of the sequence deposited under accession number NM\_121168 contains a G instead of C on position 851 (boxed) and a T instead of C on position 1295 (boxed))

atgtattgctcttcttcgatgcatccaaatgcaaacaagaaaatatctctacttcagatgt  
acaggagaggtttgtacgaataacgagatcacgagctaaaaagccatgggaaggaggtat  
caatacctccaacaaaaccttcttttaaacagcaaaagagacgtgcagtacttaaggatgtg  
agtaatacctctgcagatattattttattcagaacttcgaaagggaggcaacatcaaggcaaa  
cagaaaatgtctaaaagagcctaaaaaagcagcaaaaggaaggtgctaacagtgccatggata  
ttctggtagatatgcatacagaaaaatcaaaatttagcagaagatttgtccaagatcaggatg  
gctgaagcccaagatgtctctctttcaaacttttaagatgaagaaattactgagcaacaaga  
agatggatcaggtgtcatggagttacttcaagttgtagatattgattccaacgtcgaagatc  
cacagtgttgagcttgatgctgctgatataatgacaacatacatgttgagagcttcaa  
caacgacccttggctaattatatggagcttgtgcagcgagatatcgaccagacatgagaaa  
gattctgattgactggctttagaagtttctgacgactacaagctggttccagatacgcttt  
accttacagtgaatcttatcgaccggtttctgtccaacagttacattgaaaggcaagactc  
cagctccttggtgtctcttgcatgcttatagcttcaaaatatgaagagctttccgcaccagg  
ggtggaggagttttgcttcattacggccaacacatacacaagadCagaagtgtgagcatgg  
agattcaaattctaaattttgtgcacttttagattatcggttctaccaccaaaccattttctg  
aggcgggttcattaaagcagctcaagcttcgtacaaggtgcctttcattgaactggagtat  
agcaaactatctcgccgaattgacactggtggaatatagtttcctaaggttccctgccatcac  
taattgctgcttcagctgttttcttagcccgatggacactcgaccaaactgaccatccttgg  
aaccctactctgcaacactacaccagatatgaggtagctgagctgaagaacacagttctcgc  
catggaggacttgagctcaacaccagtggtgtactctcgtgcccaccgtgagaaataca  
accaaccaaagttaaagagcgtggcaagctgacatctcccaaacgagtcacatCactattc  
tcaagatga

**SEQ ID NO 02:** protein sequence of Cyclin A2;2 (A variant of the sequence deposited under accession number NP\_568248 contains an arginine instead of a proline on position 284 (boxed) and a phenylalanine instead of a serine on position 432 (boxed))

MYCSSSMHPNANKENISTSDVQESFVRITRSRAKKAMGRGVSIPPTKPSFKQOKRRRAVLKDV  
SNTSADIIYSELRKGGNIKANRKCLKEPKKAAKEGANSAMDILVDMHTEKSKLAEDLSKIRM  
AEAQDVSLSNFKDEEITEQQEDGSGVMELLQVVDIDSNVEDPQCCSLYAADIYDNIHVAELQ  
QRPLANYMELVQRDIDPDMRKILIDWLVEVSDDYKLVPDTLYLTVNLIIDRFLSNSYIERQRL  
QLLGVSCLMIASKYEELSAPGVVEEFCFITANTYTRPEVLSMEIQILNFVHFRLSVPTTKTFL  
RRFIKAAQASYKVPFIELEYLANYLAEITLVEYSFLRFLPSLIAASAVFLARWTLDTQDHPW  
NPTLQHYTRYEVAELKNTVLAMEDLQNTSGCTLAATREKYNQPKFKSVAKLTSPKRVTSLE  
SR

FIGURE 4

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**SEQ ID NO 03:** DNA sequence of the prolamin promoter

cttctacatcggccttaggtgtagcaacacgactttattattattattattattattatt  
atTTTacaAAAatataAAatagatcagtcacctcaccacaagtagagcaagttggtgagttat  
tgtaaagttctacaaagctaattttaaagttattgcatctaacttatttcatattacaacaa  
gagtgtcaatggaacaatgaaaaccatatgacatactataatTTTgtTTTTattattgaaat  
tatataattcaaagagaataaatccacatagccgtaaagttctacatgtggtgcattaccaa  
aatatatatagcttacaaaacatgacaagcttagtttgaaaaattgcaatccttatcacatt  
gacacataaagtgagtgatgagtcataatatttttctttgctacctcatcatgtatatatg  
atagccacaaagttactttgatgatgatatcaaagaacatttttaggtgcacctaacagaat  
atccaaataatatgactcacttagatcataatagagcatcaagtaaaactaacactctaaag  
caaccgatgggaaagcatctataaatagacaagcacaaatgaaaatcctcatcatccttcacc  
acaattcaaataattatagttgaagcatagtagta

**SEQ ID NO 04:** primer sequence (primer PRM582)

ggggacaagtttgtacaaaaaagcaggcttcacaatgtattgctcttcttcgatgc

**SEQ ID NO 05:** primer sequence (primer PRM583)

ggggaccactttgtacaagaaagctgggtgcttggtgtcatcttgagaatag

**FIGURE 4 (continued)**